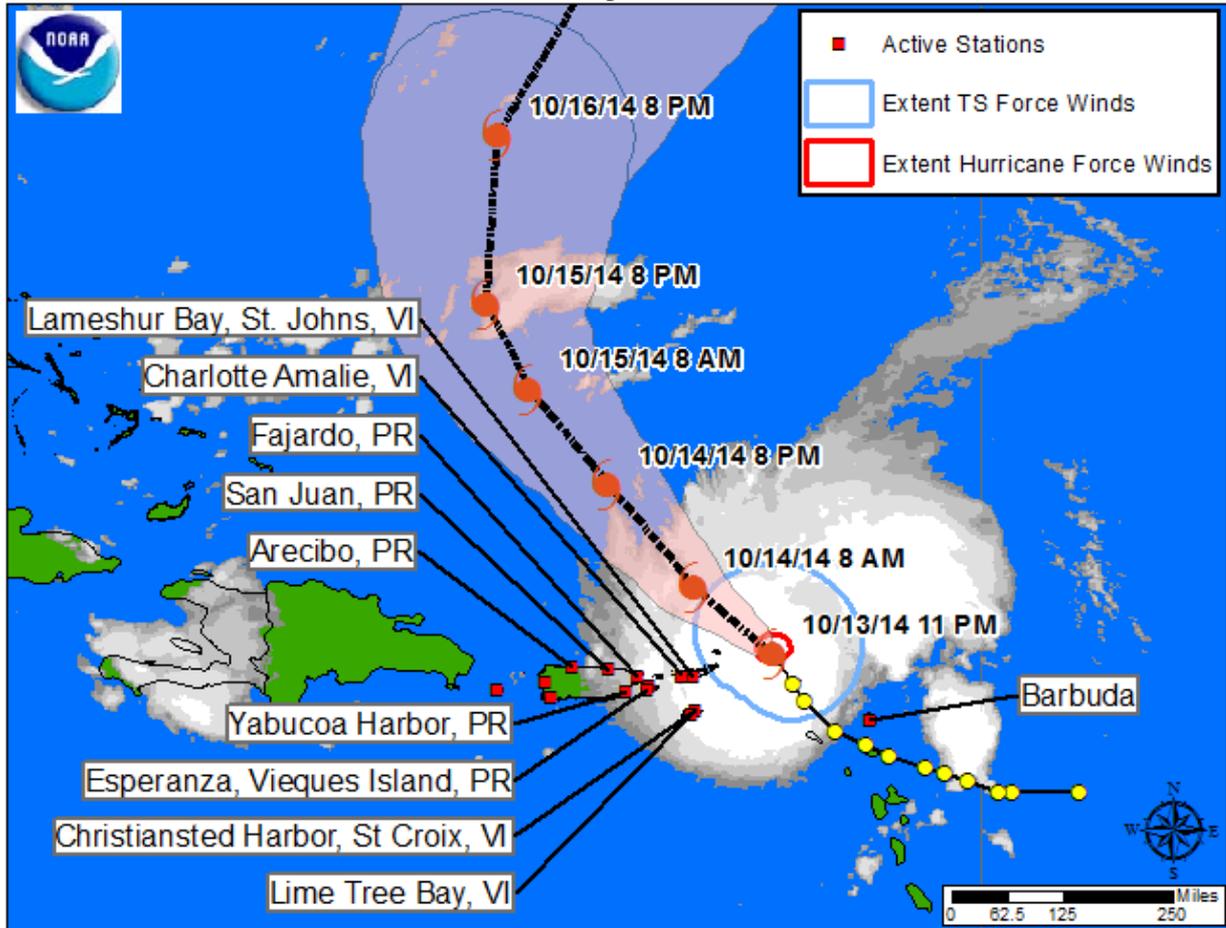




Hurricane GONZALO QuickLook
Posted: 00:00 AST 10/14/2014

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 10/14/2014 00:00 AST, water levels across the U.S. Virgin Islands and eastern Puerto Rico are elevated between 0.2 and 0.8 feet above predicted tide levels. Water levels are rising across the U.S. Virgin Islands and eastern Puerto Rico. Water levels have returned to normal at Barbuda after reaching just over 1 foot above tidal predictions within the past 12 hours.

Winds have diminished at Barbuda, however wind speeds and gusts remain near 20 knots. Winds across the US. Virgin Islands and eastern Puerto Rico are increasing, with a few gusts over 35 knots at some locations. Barometric pressure is decreasing slowly across the region.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLookHomepage](#).

Analyst: CMF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE GONZALO ADVISORY NUMBER 7

1100 PM AST MON OCT 13 2014

...GONZALO CONTINUES TO STRENGTHEN...

...EXPECTED TO PASS NORTHEAST OF THE VIRGIN ISLANDS OVERNIGHT...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

THE HURRICANE WATCH FOR PUERTO RICO...CULEBRA...VIEQUES...AND ST. CROIX HAS BEEN DISCONTINUED.

THE GOVERNMENT OF ANTIGUA AND BARBUDA HAS DISCONTINUED THE TROPICAL STORM WARNING FOR BARBUDA.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WATCH IS IN EFFECT FOR...

* ST. THOMAS AND ST. JOHN IN THE U.S. VIRGIN ISLANDS

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* PUERTO RICO

* VIEQUES AND CULEBRA

* U.S. VIRGIN ISLANDS

A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA.

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1100 PM AST THE EYE OF HURRICANE GONZALO WAS LOCATED

BY NOAA DOPPLER RADAR IMAGERY ABOUT 40 MI NNW OF ANGUILLA AND ABOUT 105 MI E OF ST. THOMAS . GONZALO IS MOVING TOWARD THE NORTHWEST NEAR 12 MPH AND THIS GENERAL MOTION IS EXPECTED TO CONTINUE THROUGH EARLY WEDNESDAY. A TURN TOWARD THE NORTH-NORTHWEST IS FORECAST BY LATE WEDNESDAY. ON THE FORECAST TRACK...THE CENTER OF GONZALO WILL PASS JUST NORTHEAST OF THE VIRGIN ISLANDS OVERNIGHT TONIGHT AND MOVE INTO THE OPEN ATLANTIC NORTH OF PUERTO RICO ON TUESDAY.

MAXIMUM SUSTAINED WINDS HAVE INCREASED TO NEAR 85 MPH WITH HIGHER GUSTS. ADDITIONAL STRENGTHENING IS FORECAST DURING THE NEXT 48 HOURS...AND GONZALO COULD BECOME A MAJOR HURRICANE BY WEDNESDAY.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 25 MILES FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 105 MILES.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 984 MB.

HAZARDS AFFECTING LAND

WIND...HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE HURRICANE WATCH AREA TONIGHT AND EARLY TUESDAY. TROPICAL STORM CONDITIONS ARE EXPECTED TO SPREAD THROUGH PORTIONS OF THE TROPICAL STORM WARNING AREA TONIGHT AND EARLY TUESDAY.

RAINFALL...GONZALO IS EXPECTED TO PRODUCE TOTAL RAINFALL ACCUMULATIONS OF 4 TO 8 INCHES...WITH ISOLATED MAXIMUM TOTALS OF 12 INCHES POSSIBLE...ACROSS THE U.S. VIRGIN ISLANDS. GONZALO IS EXPECTED TO PRODUCE TOTAL RAINFALL ACCUMULATIONS OF 3 TO 5 INCHES ACROSS PUERTO RICO...WITH ISOLATED MAXIMUM TOTALS OF 8 INCHES POSSIBLE.

STORM SURGE...A DANGEROUS STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 1 TO 3 FEET ABOVE NORMAL TIDE LEVELS IN AREAS OF ONSHORE FLOW IN THE HURRICANE WARNING AREA.

SURF...SWELLS GENERATED BY GONZALO WILL AFFECT THE VIRGIN ISLANDS AND THE NORTHERN COAST OF PUERTO RICO OVERNIGHT TONIGHT AND INTO EARLY TUESDAY. THESE SWELLS ARE LIKELY TO CAUSE LIFE-THREATENING SURF AND RIP CURRENT CONDITIONS. PLEASE CONSULT PRODUCTS FROM YOUR LOCAL WEATHER OFFICE.

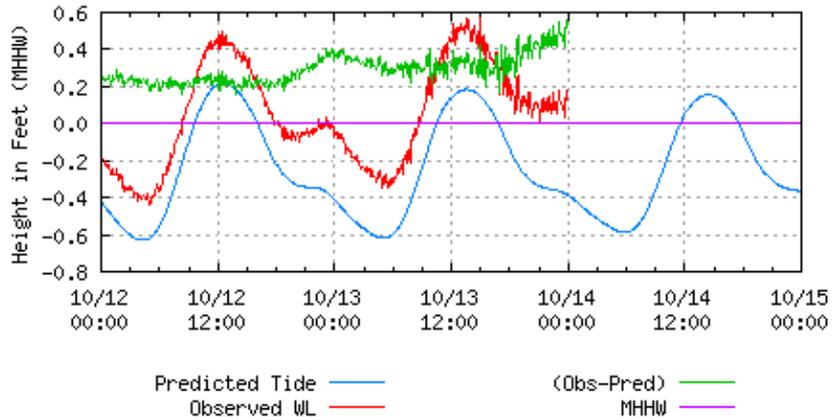
FORECASTER BRENNAN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Lameshur Bay, St John - Water Level](#), [Charlotte Amalie - Water Level](#), [Charlotte Amalie - Winds](#), [Charlotte Amalie - Barometric](#), [Lime Tree Bay - Water Level](#), [Lime Tree Bay - Winds](#), [Lime Tree Bay - Barometric](#), [Christiansted Harbor, St Croix - Water Level](#), [Christiansted Harbor, St Croix - Winds](#), [Esperanza, Vieques Island - Water Level](#), [Esperanza, Vieques Island - Winds](#), [Esperanza, Vieques Island - Barometric](#), [Fajardo - Water Level](#), [Fajardo - Winds](#), [Yabucoa Harbor - Water Level](#), [Yabucoa Harbor - Winds](#), [San Juan - Water Level](#), [San Juan - Winds](#), [San Juan - Barometric](#), [Arecibo - Water Level](#), [Barbuda - Water Level](#), [Barbuda - Winds](#)

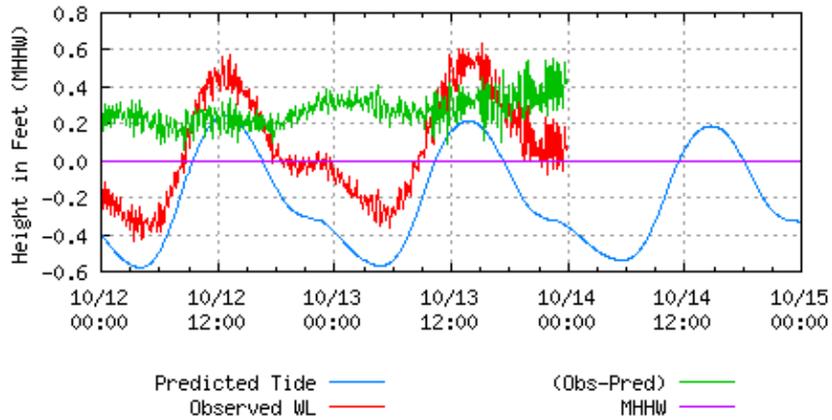
Hurricane GONZALO QuickLook, POSTED 00:00 AST 10/14/2014

NOAA/NOS/CO-OPS 9751381 Lameshur Bay, St John, VI
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



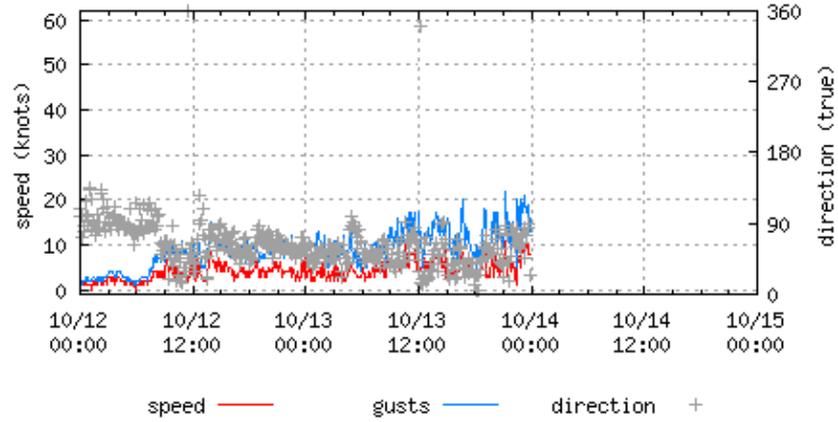
Last Observed Sample: 10/13/2014 23:54 (AST). Data relative to MHHW
Observed: 0.13 ft. Predicted: -0.39 ft. Residual: 0.52 ft.
Historical Maximum Water Level: Aug 30 2010, 0.89 ft.
Next High Tide: 10/14/2014 14:28 (AST), 0.16 ft.

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



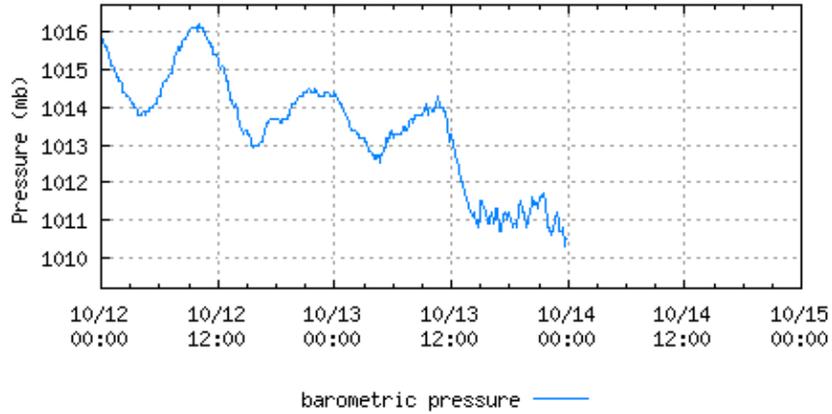
Last Observed Sample: 10/13/2014 23:54 (AST). Data relative to MHHW
Observed: -0.04 ft. Predicted: -0.36 ft. Residual: 0.32 ft.
Historical Maximum Water Level: Sep 16 1995, 2.93 ft.
Next High Tide: 10/14/2014 14:43 (AST), 0.19 ft.

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI
Wind Speed / Gusts / Direction

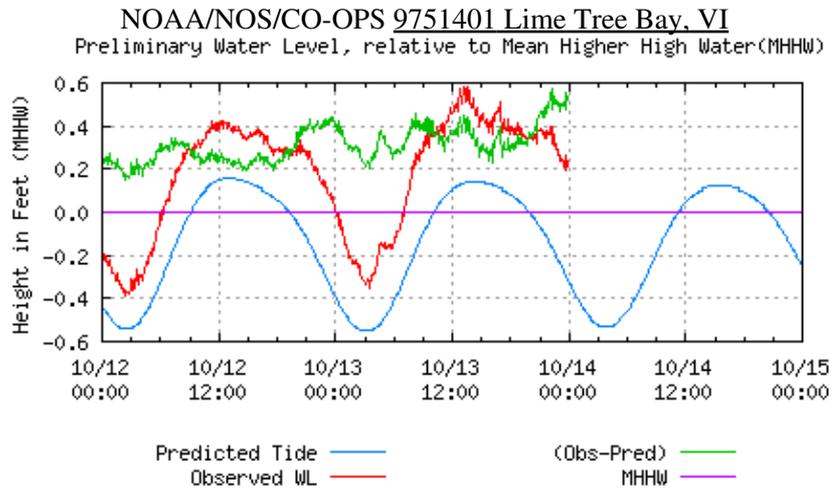


Last Observed Sample: 10/13/2014 23:54 (AST)
Wind Speed: 4 knots Gusts: 12 knots Direction: 212° T

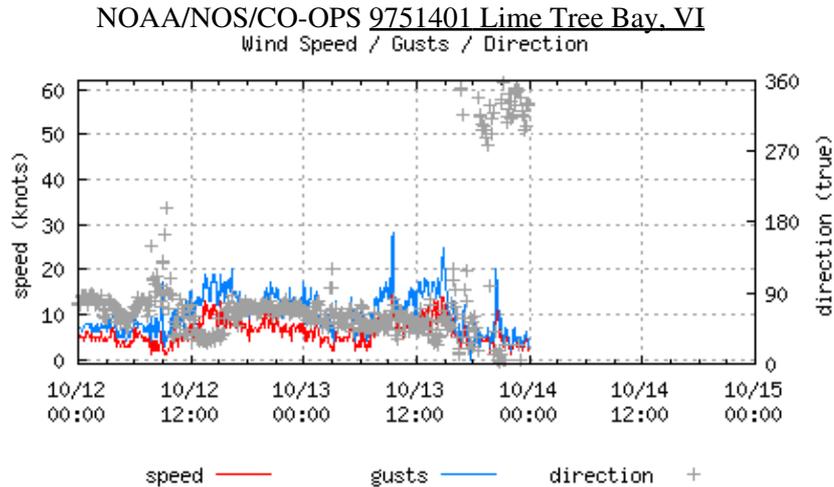
NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI
Barometric Pressure



Last Observed Sample: 10/13/2014 23:54 (AST)
Barometric Pressure: 1010.6 mb

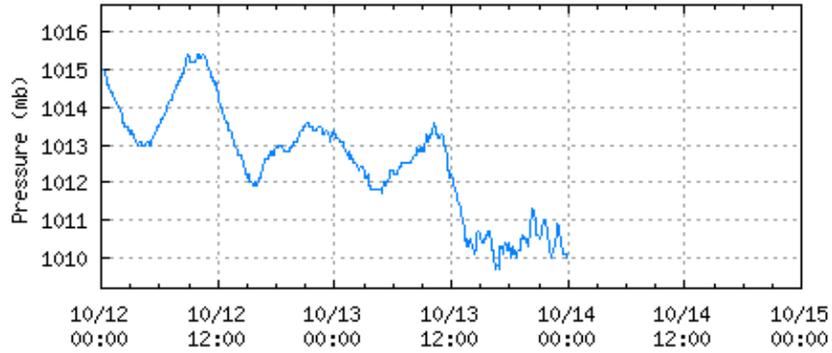


Last Observed Sample: 10/13/2014 23:54 (AST). Data relative to MHHW
Observed: 0.18 ft. Predicted: -0.32 ft. Residual: 0.50 ft.
Historical Maximum Water Level: Nov 17 1999, 1.88 ft.
Next High Tide: 10/14/2014 15:28 (AST), 0.12 ft.



Last Observed Sample: 10/13/2014 23:54 (AST)
Wind Speed: 2 knots Gusts: 3 knots Direction: 329° T

NOAA/NOS/CO-OPS 9751401 Lime Tree Bay, VI
Barometric Pressure

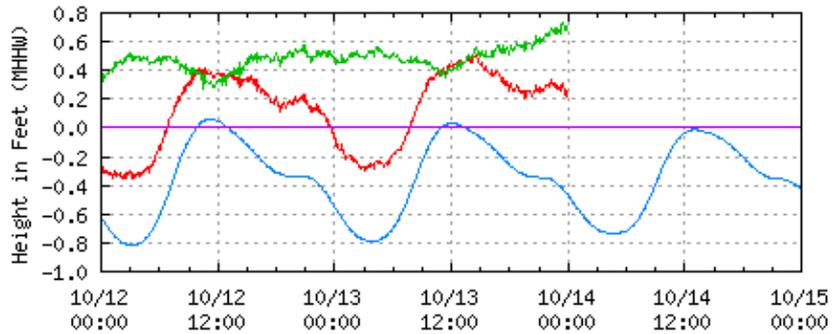


barometric pressure —

Last Observed Sample: 10/13/2014 23:54 (AST)

Barometric Pressure: 1010.1 mb

NOAA/NOS/CO-OPS 9751364 Christiansted Harbor, St Croix, VI
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

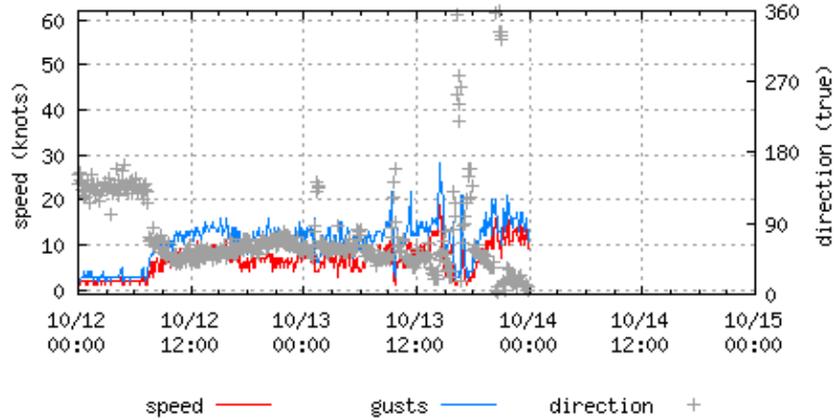
Last Observed Sample: 10/13/2014 23:54 (AST). Data relative to MHHW

Observed: 0.25 ft. Predicted: -0.46 ft. Residual: 0.71 ft.

Historical Maximum Water Level: Oct 16 2008, 1.17 ft.

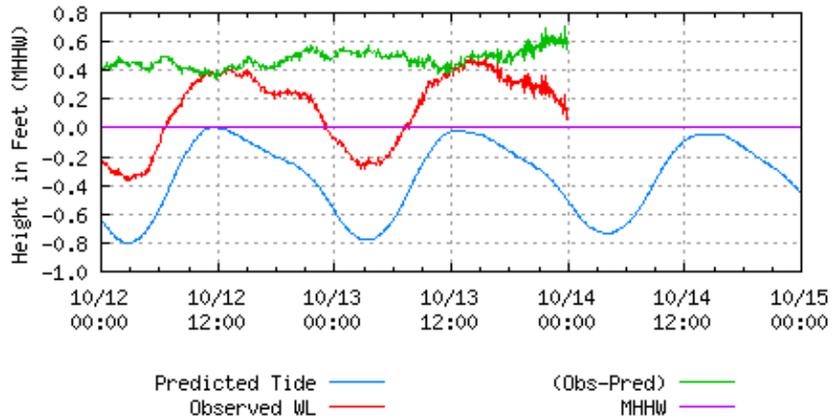
Next High Tide: 10/14/2014 13:04 (AST), -0.01 ft.

NOAA/NOS/CO-OPS 9751364 Christiansted Harbor, St Croix, VI
Wind Speed / Gusts / Direction



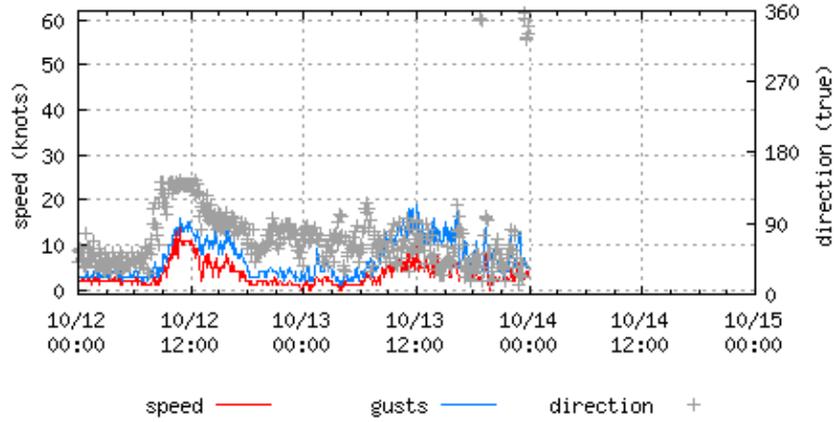
speed — gusts — direction +
Last Observed Sample: 10/13/2014 23:54 (AST)
Wind Speed: 9 knots Gusts: 11 knots Direction: 4° T

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



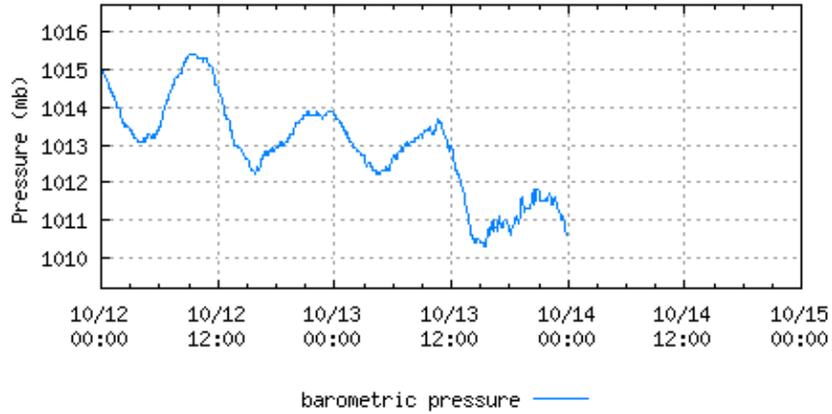
Last Observed Sample: 10/13/2014 23:54 (AST). Data relative to MHHW
Observed: 0.08 ft. Predicted: -0.50 ft. Residual: 0.58 ft.
Historical Maximum Water Level: Aug 22 2011, 0.99 ft.
Next High Tide: 10/14/2014 15:02 (AST), -0.04 ft.

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR
Wind Speed / Gusts / Direction

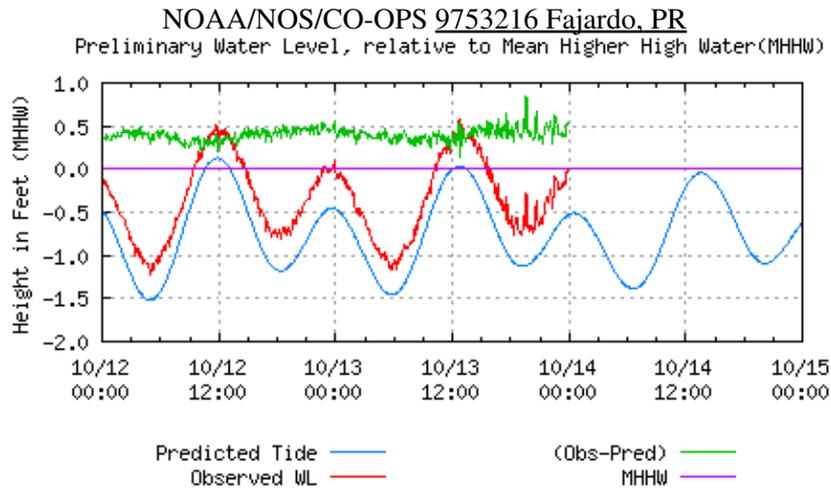


Last Observed Sample: 10/13/2014 23:54 (AST)
Wind Speed: 3 knots Gusts: 5 knots Direction: 341° T

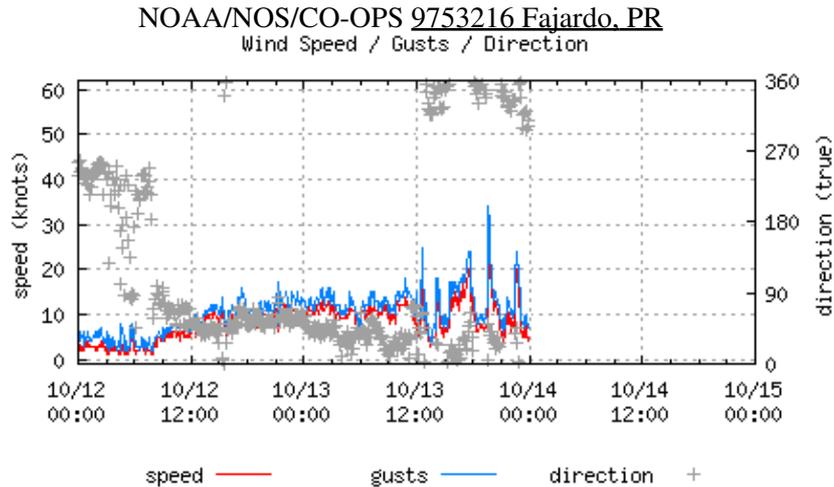
NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR
Barometric Pressure



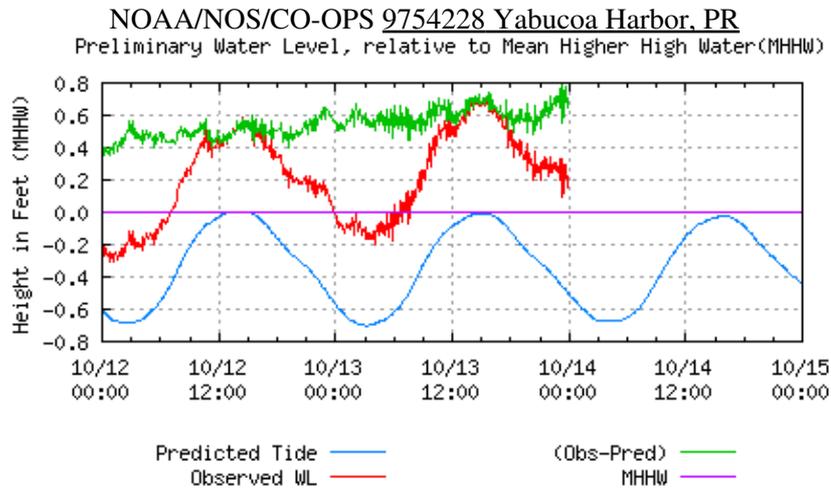
Last Observed Sample: 10/13/2014 23:54 (AST)
Barometric Pressure: 1010.6 mb



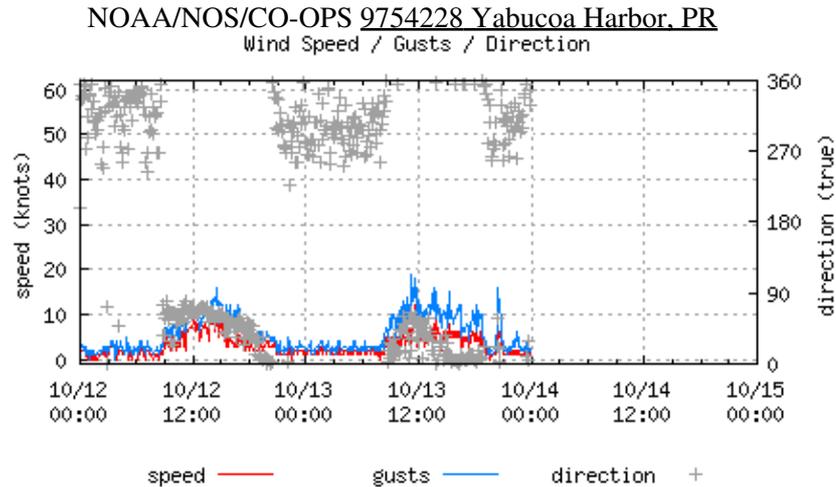
Last Observed Sample: 10/13/2014 23:54 (AST). Data relative to MHHW
Observed: 0.00 ft. Predicted: -0.53 ft. Residual: 0.53 ft.
 Historical Maximum Water Level: Aug 30 2010, 0.84 ft.
 Next High Tide: 10/14/2014 00:30 (AST), -0.51 ft.



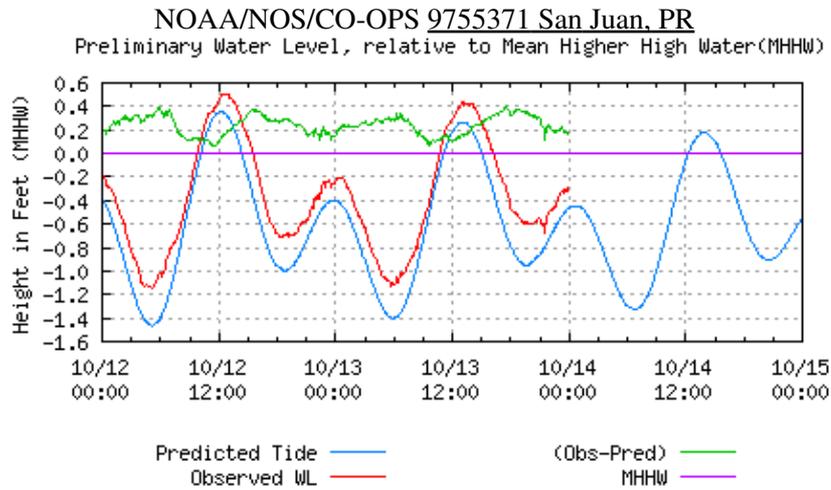
Last Observed Sample: 10/13/2014 23:54 (AST)
Wind Speed: 4 knots Gusts: 8 knots Direction: 302° T



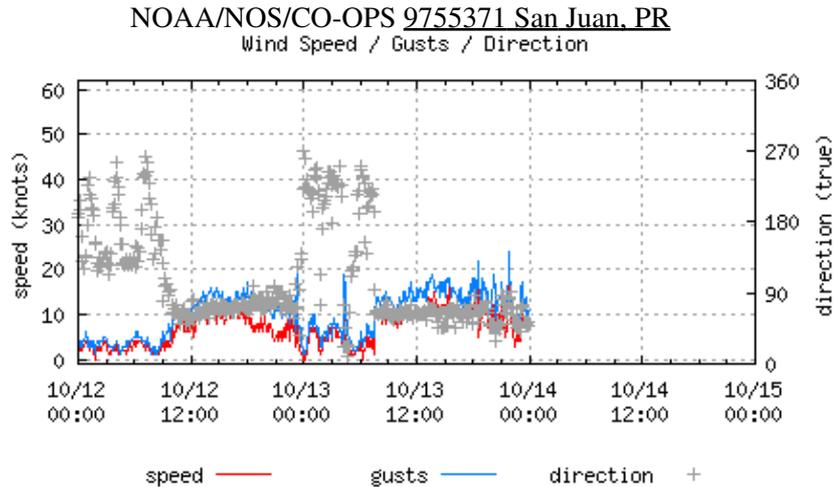
Last Observed Sample: 10/13/2014 23:54 (AST). Data relative to MHHW
Observed: 0.15 ft. Predicted: -0.51 ft. Residual: 0.66 ft.
 Historical Maximum Water Level: n/a
 Next High Tide: 10/14/2014 15:58 (AST), -0.03 ft.



Last Observed Sample: 10/13/2014 23:54 (AST)
Wind Speed: 1 knots Gusts: 2 knots Direction: 328° T

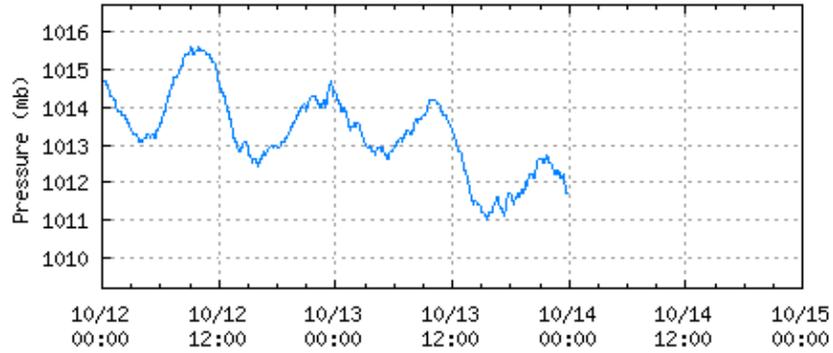


Last Observed Sample: 10/13/2014 23:54 (AST). Data relative to MHHW
Observed: -0.28 ft. Predicted: -0.46 ft. Residual: 0.18 ft.
 Historical Maximum Water Level: Sep 18 1989, 2.77 ft.
 Next High Tide: 10/14/2014 00:39 (AST), -0.44 ft.



Last Observed Sample: 10/13/2014 23:54 (AST)
Wind Speed: 8 knots Gusts: 11 knots Direction: 48° T

NOAA/NOS/CO-OPS 9755371 San Juan, PR
Barometric Pressure

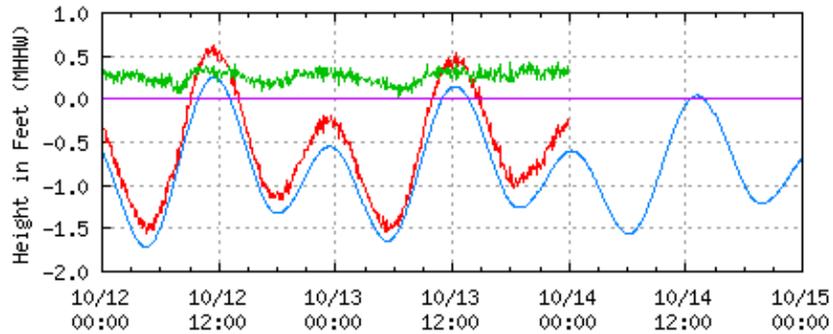


barometric pressure —

Last Observed Sample: 10/13/2014 23:54 (AST)

Barometric Pressure: 1011.7 mb

NOAA/NOS/CO-OPS 9757809 Arecibo, PR
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



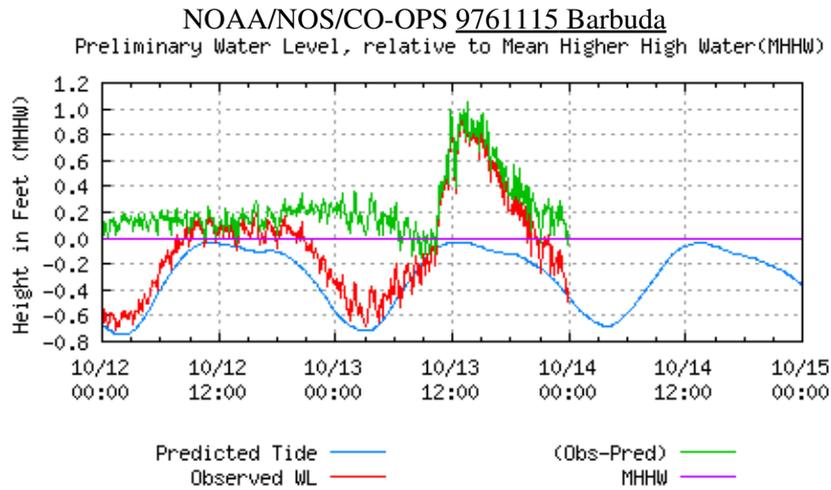
Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 10/13/2014 23:54 (AST). Data relative to MHHW

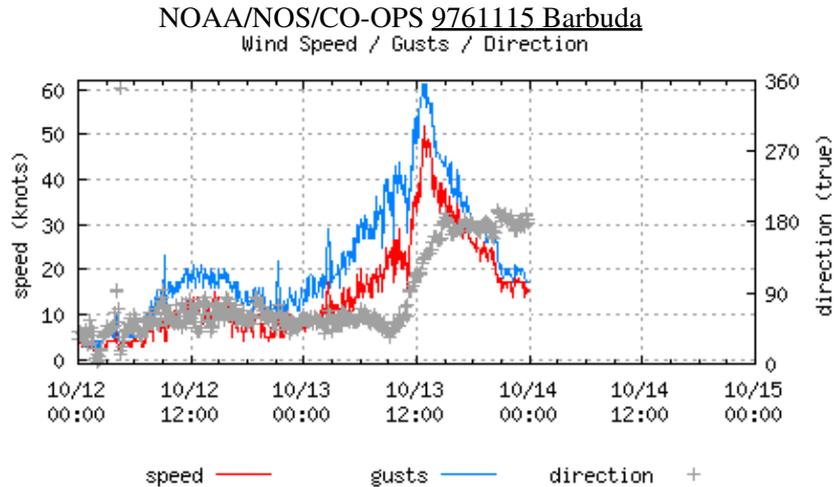
Observed: -0.31 ft. Predicted: -0.61 ft. Residual: 0.30 ft.

Historical Maximum Water Level: Oct 8 2010, 0.90 ft.

Next High Tide: 10/14/2014 00:15 (AST), -0.60 ft.



Last Observed Sample: 10/13/2014 23:54 (AST). Data relative to MHHW
Observed: -0.39 ft. Predicted: -0.45 ft. Residual: 0.06 ft.
 Historical Maximum Water Level: Aug 23 2012, 1.05 ft.
 Next High Tide: 10/14/2014 13:33 (AST), -0.04 ft.



Last Observed Sample: 10/13/2014 23:54 (AST)
Wind Speed: 15 knots Gusts: 17 knots Direction: 179° T

Hurricane GONZALO QuickLook, POSTED 00:00 AST 10/14/2014

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
9751381	Lameshur Bay, St John, VI	10/13/2014 23:54 (AST)	0.13 ft	-0.39 ft	0.52 ft	0.57 ft
9751639	Charlotte Amalie, VI	10/13/2014 23:54 (AST)	-0.04 ft	-0.36 ft	0.32 ft	0.63 ft
9751401	Lime Tree Bay, VI	10/13/2014 23:54 (AST)	0.18 ft	-0.32 ft	0.50 ft	0.58 ft
9751364	Christiansted Harbor, St Croix, VI	10/13/2014 23:54 (AST)	0.25 ft	-0.46 ft	0.71 ft	0.51 ft
9752695	Esperanza, Vieques Island, PR	10/13/2014 23:54 (AST)	0.08 ft	-0.50 ft	0.58 ft	0.50 ft
9753216	Fajardo, PR	10/13/2014 23:54 (AST)	0.00 ft	-0.53 ft	0.53 ft	0.57 ft
9754228	Yabucoa Harbor, PR	10/13/2014 23:54 (AST)	0.15 ft	-0.51 ft	0.66 ft	0.72 ft
9755371	San Juan, PR	10/13/2014 23:54 (AST)	-0.28 ft	-0.46 ft	0.18 ft	0.44 ft
9757809	Arecibo, PR	10/13/2014 23:54 (AST)	-0.31 ft	-0.61 ft	0.30 ft	0.54 ft
9761115	Barbuda	10/13/2014 23:54 (AST)	-0.39 ft	-0.45 ft	0.06 ft	1.02 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce